

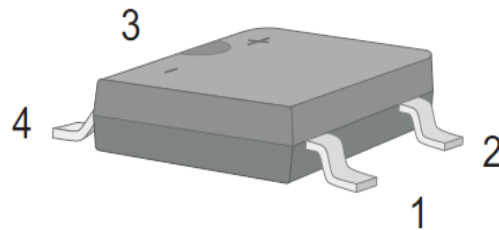
ABS202 Thru ABS210

High Current Glass Passivated Molding Single-Phase Bridge Rectifier

Reverse Voltage 200 to 1000V Forward Current 2.0 A

FEATURES

- Plastic Package has Underwriters Laboratory Flammability Classification 94V-0
- High current capacity with small package
- Glass passivated chip junctions
- Superior thermal conductivity
- High IFSM



1. Maximum & Thermal Characteristics Ratings at 25°C ambient temperature unless otherwise specified.

Parameter Symbol	Symbol	ABS202	ABS204	ABS206	ABS208	ABS210	Unit
Maximum repetitive voltage	VRRM	200	400	600	800	1000	V
Maximum RMS Voltage	VRMS	140	280	420	560	700	V
Maximum DC Blocking Voltage	VDC	200	400	600	800	1000	V
Maximum DC reverse current TA=25 °C	IR	5					μA
at rated DC blocking voltage TA=125°C		100					
Average rectified forward current 60Hz Sine wave Resistance load at Tc = 115 °C	Io	2.0					A
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load	IFSM	50					A
Rating of fusing (t<8.3ms)	I ² t	10					A ² sec
Max instantaneous forward voltage at 2.0A	VF	1.1					V
Typical Junction Capacitance (Note1)	Cj	25					pF
Thermal Resistance (Note2)	RθJ-A	60					°C/W
Between junction and ambient							
Between junction and lead	RθJ-C	16					
Operating junction temperature	TJ	-55~150					°C
Storage temperature	Tstg	-55~150					°C

Note:

1. Measured at 1MHz and applied reverse voltage of 4 V D.C.
2. Mounted on glass epoxy PC board with 4×1.5"×1.5" (3.81×3.81 cm) copper pad.

ABS202 Thru ABS210

2. Ratings and Characteristic Curves (TA = 25°C unless otherwise noted)

Fig. 1 Derating Curve

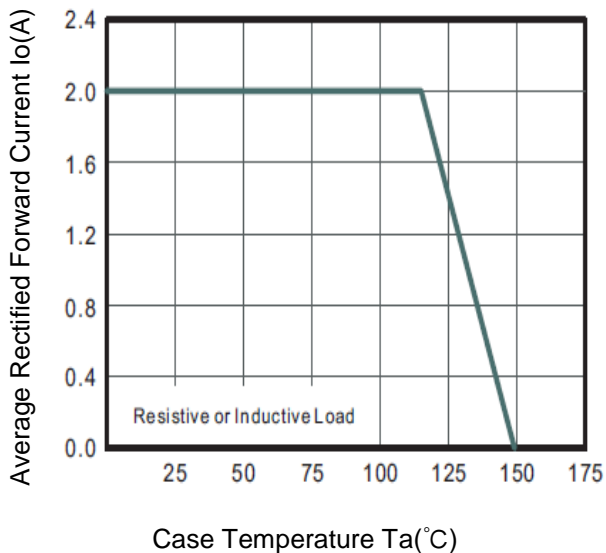


Fig.2 Typical Reverse Characteristics

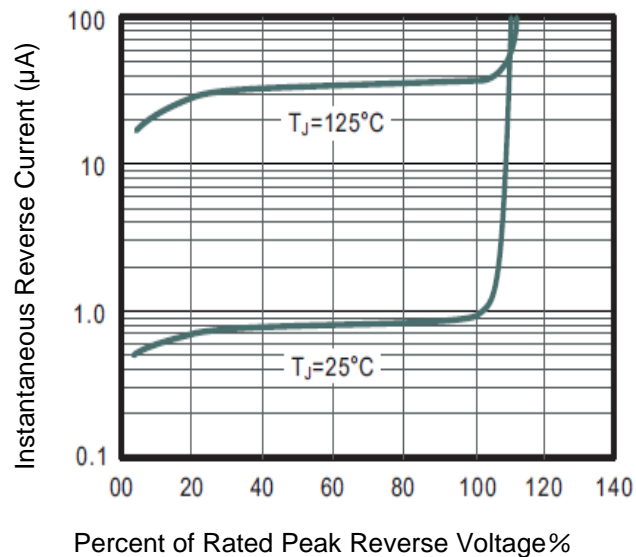


Fig.3 Forward Voltage

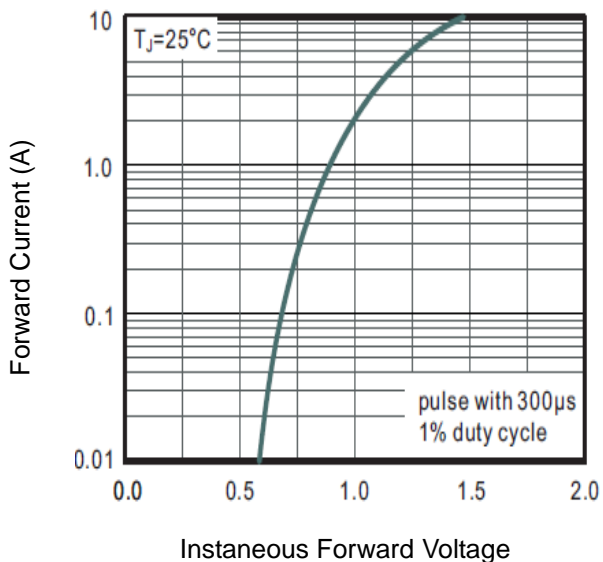
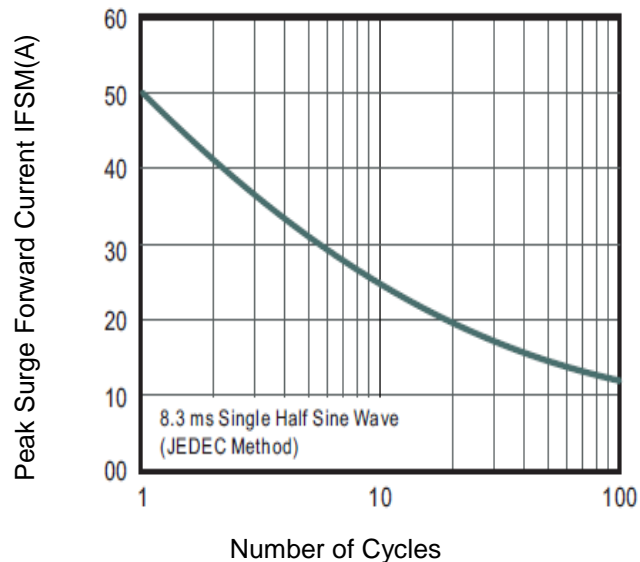
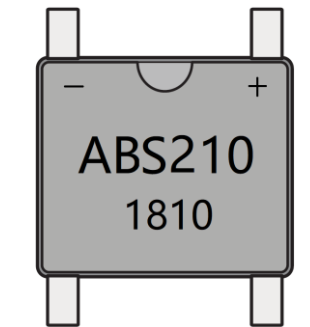


Fig.4 Peak Surge Forward Capability



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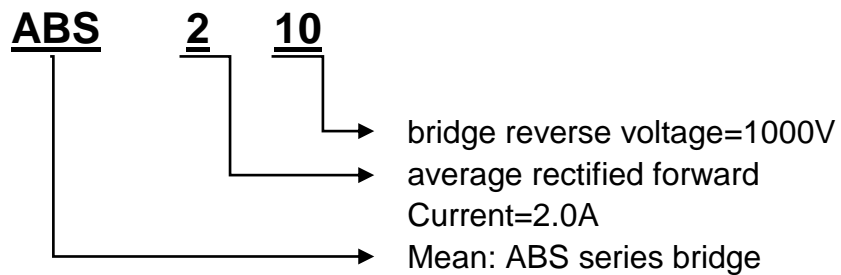
3. Marking Identification



Note:

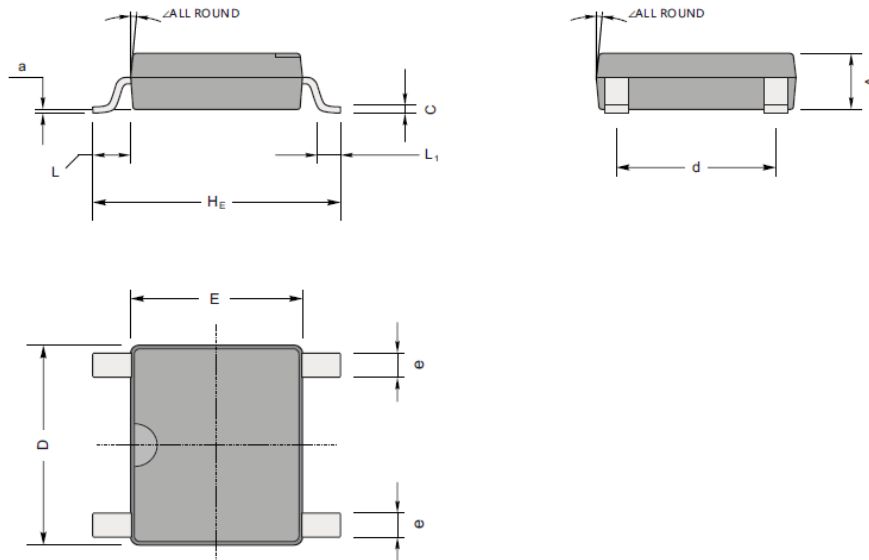
生产日期码包含4位数字，例如“1810”，前两个数字“18”表示为2018年，另外二个数字“10”是指第10周，即表示该产品为2018年10周生产。

型号:



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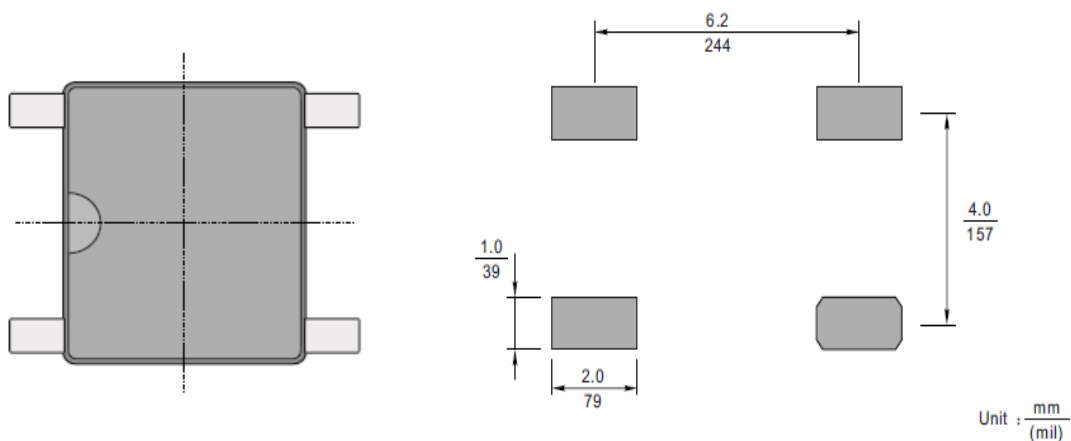
4. Dimension(Unit: inch/mm)



ABS mechanical data

UNIT		A	C	D	E	HE	d	e	L	L ₁	a	∠
mm	max	1.5	0.22	5.2	4.5	6.4	4.2	0.7	0.95	0.6	0.2	7°
	min	1.3	0.15	4.9	4.2	6.0	3.8	0.5				
mil	max	59	8.7	205	177	252	165	28	37	24	8	
	min	51	5.9	193	166	236	150	20				

5. Standard Soldering Pad (Unit: mm/mil)



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